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(54) OVERCURRENT DETECTION APPARATUS
FOR AC LOAD

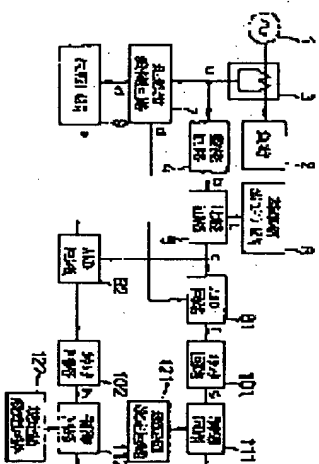
(57) Abstract:

PROBLEM TO BE SOLVED: To provide an overcurrent detection apparatus by which an overcurrent flowing cyclically to an AC load such as a saturation current or the like can be detected accurately.

SOLUTION: An AC current flowing to a load 2 is first detected by a current detector 3, and its detection signal is rectified by a rectifying circuit 4. The rectified signal is compared with a preset reference-value-level signal 6, and the saturation current of an AC load is taken out as a pulse-shaped signal. When the signal is counted 101 (102), it is grasped accurately as

an overcurrent, and a protective circuit can be stopped and driven by the output of a control circuit 111 (112).

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